



**DEPARTMENT OF THE ARMY**  
HEADQUARTERS, XVIII AIRBORNE CORPS AND FORT BRAGG  
FORT BRAGG, NORTH CAROLINA 28310

REPLY TO  
ATTENTION OF:

20 APR 2001

AFZA-EN (1-1g)

MEMORANDUM FOR Commander, United States Army Forces Command, 1777  
Hardee Avenue SW, Fort McPherson, Georgia 30330-1062

SUBJECT: Funding Request for C17 Phase II Testing Program

1. References:

a. Memorandum, DA, DCSOPS, DAMO-SSW, 2 Nov 00, subject:  
Phase II Testing Program Follow-Up.

b. Letter, HQ, FORSCOM, AFOP-AC, 25 Apr 00, subject as  
above.

c. Memorandum, Commander, XVIII Airborne Corps, AFZA-EN,  
30 Aug 99, subject: Additional Testing of C17 on Semi-Prepared  
Runways (SPR).

2. Request your support in attaining \$1.4 million in FY 02 funds to build semi-prepared runways (SPR) at Fort Campbell, Kentucky and Fort Bliss, Texas as part of Phase II testing of the program of the C17 aircraft on SPR. Semi-prepared runway construction is planned for 3d and 4th quarters FY 02 with planning and logistics expenditures beginning in 2d quarter FY 02. The XVIII Airborne Corps plans to use Active and Reserve Component Army engineer units for SPR construction in order to reduce costs. Funding must be secured not later than 31 December 2001, or we will have to release the identified engineer units to plan other training events and projects in place of SPR construction, and defer construction of these two SPRs until FY 03. Failure to complete these two airfields in FY 02 will delay Phase II testing and adversely impact the XVIII Airborne Corps' ability to achieve the Strategic Brigade Airdrop's (SBA) full capability by FY 04, in accordance with the Defense Planning Guidance.

3. As you know, XVIII Airborne Corps is the Army's Executive Agent for the SBA. The C-17's ability to land on SPRs is critical to XVIII Airborne Corps' mission of providing a rapid response to contingencies anywhere in the world. It is also critical to the future of the new interim brigades, as laid out in the CSA's strategic plan. The new medium weight brigades are

AFZA-AE

SUBJECT: Funding Request for C-17 Phase II Testing Program

required to deploy 100 percent of their personnel and equipment to forward airfields (SPR) using C130 and C17 aircraft. Without Phase II testing, the C17 is restricted to operating on only a small percentage of the world's SPRs, dramatically reducing the deployment speed and flexibility of both SBA and interim brigades.

4. Phase I testing resulted in a release for the C17 to land on SPR under very specific operating conditions. Phase II testing will evaluate the C17's air landing SPR construction and maintenance requirements on a much larger portion of the world's soil types. It will also evaluate these requirements for the C17 on various soil types, under wet and dry conditions, greatly improving the operational flexibility of the Corps and enhancing its ability to perform its contingency missions. The XVIII Airborne Corps is upgrading four SPR to meet the requirements for Phase II testing. The current status of SPR construction in support of Phase II testing is:

a. FY 00/FY 01 Rhine-Luzon, Fort Bragg, NC: With FY 00 funds that FORSCOM and DA DCSLOG provided, this first SPR upgrade was completed in October 2000. The XVIII Airborne Corps and the Air Force are working C17 JA/ATT missions for summer 01 to begin collecting Phase II test data.

b. FY 02 Golden Eagle, Fort Campbell, Kentucky, and Wilde Benton, Fort Bliss, Texas: The design for both SPR upgrades is complete. \$850K is required to complete Golden Eagle and \$550K is required for Wilde Benton (Note: Since less than \$500K of each project is classified as new work, it can be funded with Operations and Maintenance Army (OMA) funds). Constructing units have been identified and have initiated movement and logistical planning. Unless funds (\$1.4 million) are secured prior to the end of 1st quarter FY 02, these units will not be available to build these SPRs due to a lack of funding.

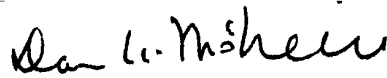
c. FY 03/FY 04 Belvedere, Fort Drum, New York: As currently designed, this project will become a military construction Army (MCA) project as its estimate cost is above \$3 million. This is primarily due to wetland damage mitigation and unique construction techniques required to deal with the area's high water table and extreme cold. The XVIII Airborne Corps is researching alternate sites and considering redesign of the SPR upgrade to reduce the cost.

AFZA-AE

SUBJECT: Funding Request for C-17 Phase II Testing Program

5. Request your support in obtaining funds totaling \$1.4 million in 1st quarter FY 02 for SPR upgrades. The knowledge gained from the construction of these SPR will be instrumental to planning for, and rapidly deploying the SBA, interim brigades and other critical forces via the C17. Any delay in funding will force a delay in construction and could jeopardize our ability to achieve the full capability of the SBA by FY 04 in accordance with the Defense Planning Guidance specifications.

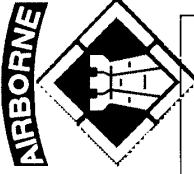
6. Point of contact is MAJ James Porter, Staff Engineer Section, DSN 236-5717, Commercial (910) 396-5717, or e-mail Porterja@bragg.army.mil.



DAN K. McNEILL  
Lieutenant General, USA  
Commanding

7 Encls

1. Phase II SPR Status
2. DA DCSOPS Memo, 2 Nov 00
3. FORSCOM Memo, 25 Apr 00
4. XVIII ABC Memo, 15 Mar 00
5. XVIII ABC Memo, 30 Aug 99
6. DA Message SBA, 20 Jan 99
7. C17 SPR IPR, 21 Mar 01



# Phase II SPR Construction Plan

as of 19 MAR 2001

	Rhine-Luzon Fort Bragg	Golden Eagle Fort Campbell	Belvedere Fort Drum	Wilde Benton Fort Bliss
Soils Test				
Unit	27 <sup>th</sup> En Bn	36 <sup>th</sup> En Grp	CES	20 <sup>th</sup> En Bde
Completion	29 Feb 00	29 Feb 00	4 Feb 00	May 00
Design				
Unit	27 <sup>th</sup> En Bn	36 <sup>th</sup> En Grp	30 <sup>th</sup> En Bde	820 <sup>th</sup> RHS
Initial Design	29 Feb 00	29 Feb 00	29 Feb 00	30 Jun 00
Construction				
Unit*	27 <sup>th</sup> En Bn	36 <sup>th</sup> En Grp	411 <sup>th</sup> En Bde(-)	20 <sup>th</sup> En Bde
Timeline	OCT00	FY02	FY03	FY02
Completed				
Planned	4600'	4600'	7600' (est)	7600' (est)
MOG	3	3	3	3
Cost (Total:\$5M) **	\$556K	\$850K**	\$3.0M(+)**	\$550K**

\* 20th Engr Bde will augment as needed

\*\* Estimate based on completed design

\*\*\* Prelim. Estimate Only



DEPARTMENT OF THE ARMY  
OFFICE OF THE  
DEPUTY CHIEF OF STAFF FOR OPERATIONS AND PLANS  
400 ARMY PENTAGON  
WASHINGTON DC 20310-0400




DAMO-SSW

2 November 2000

MEMORANDUM FOR DEPUTY CHIEF OF STAFF FOR OPERATIONS,  
UNITED STATES FORCES COMMAND, 1777  
HARDEE AVENUE, SW, FORT MCPHERSON,  
GA 30330-1062

SUBJECT: C17 Phase II Testing Program Follow-Up

1. I regret the delay in responding to your first endorsement expressing concern over the funding of the semi-prepared runways. Over the past few months, my staff has been working to assess executing the various programs within the Department of the Army budget. The Department of the Army has resourced the first of the four requested semi-prepared runways. At this time, the resource levels for FY 01 will not allow us to support funding required for the two remaining runways.
2. The Defense Planning Guidance timeline requires the Strategic Brigade Airdrop to be fully capable by FY 04. This headquarters recommends that FORSCOM program sufficient funding in FY 02 to complete work on the remaining two runways.
3. The Army Staff supports this initiative and will be available to defend the requirement throughout the budget process.

  
LARRY R. ELLIS  
Lieutenant General, GS  
Deputy Chief of Staff  
for Operations and Plans

25 APR 2000

Commander, United States Army Forces Command, 1777 Hardee Avenue, SW.,  
Fort McPherson, GA 30330-1062

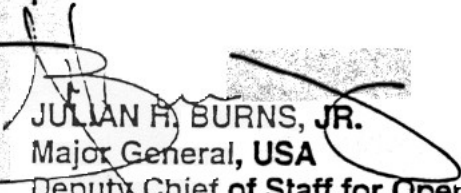
FOR Deputy Chief of Staff for Operations and Plans, 400 Army Pentagon,  
Washington, DC 20310-0400

1. Enclosed HQDA, DAMO-ZA message, 201800Z Jan 99, Subject: Strategic Brigade Airdrop (SBA), designated XVIII Airborne Corps as Army Executive Agent for SBA. One of the five specified issues addressed (para 3a) is Small Austere Airfield Operations; Semi-Prepared Runways (SPR) are contained in that definition.
2. As the costs of this program are beyond the ability of FORSCOM to fund, request Department of the Army support the Army Executive Agent with funding of \$5.78M as requested in basic correspondence. Not only will important data be gathered relative to soil composition/characteristics necessary to the United States Army/United States Air Force (USA/ USAF) for contingency operations, but each airfield provides added training benefits to engineers constructing these facilities and follow on training venues, over time, for each installation and the USAF.
3. Further suggest we build upon the cooperation with USAF in funds and resources to advance this essential effort to upgrade from Phase III SPRs to the mutual benefit of both Services.
4. For additional information contact Mr. Jack Bialkowski, DCSOPS, AFOP-AC, DSN 367-7032.

FOR THE COMMANDER:

2 Encls  
wd encl 1  
Added 1 encl  
2. as

*5u - has  
benefits to the Army  
and USAF; and  
should have  
joint funding*

  
JULIAN H. BURNS, JR.  
Major General, USA  
Deputy Chief of Staff for Operations

OPTIONAL FORM 99 (7-90)

## FAX TRANSMITTAL

# of pages 5

DATE: 11 Apr 2000

TO: HARRISS

From: BIALKOWSKI

Dist/Agency

Phone # DSU 367 7032

Fax # 635 0602

Fax #

NSN 7540-01-317-7200

5099 101

GENERAL SERVICES ADMINISTRATION

OFFICE SYMBOL/PHONE:

AFOP-AC

NAME:

Jack Bialkowski

THRU:

☒ X

SGS

☒ X

Col/S

☐☒ DCG

TO: DCG/CG

ACTION REQUIRED:

☒ X

APPROVAL

☒

SIGNATURE

☐

INFORMATION

BACKGROUND/DISCUSSION 1. Tab 'B' contains revised memo from LTG Kernan requesting FORSCOM support for the construction of 4 SPR to support Strategic Brigade Airdrop (SBA) requirements. Original request was staffed by DCSPIM, but was not answered prior to the revision arriving this headquarters. That staff action was for \$3.5 M; this requests moves funding to \$5.78 M. Increase is due to new interest in project by USAF. USAF has told XVIII ASC they will now provide specifications.

2. Tab 'B' is legitimate SBA concern; now sanctioned by USAF. USAF will provide their portion of total cost
3. Tab 'C' is DAMO-ZA msg tasking XVIII ABC as Army Executive Agent for SBA.

RECOMMENDATION: DCG/CG support XVIII ABC request for assistance by signature at Tab 'A'.

Approve DCSPIM signature

Agreed, would suggest this have a DCSPIM vice CG endorsement until we can determine the USAF contribution.

U R N  
BURNS  
DIRECTOR 17 Apr 2000

ACTION APPROVED

NOTED

COMMENT

Ensure info goes to CG XVIII ABC

Action

DAMO TASKR -

00 50 1582

A/O LTC BOULIE

227 5093

\$ 22 MAY

## ROUTING/APPROVALS

	INITIALS	DATE
CH CHIEF	A	12 APR 00
ION CHIEF	W	12 APR 00
OFFICER		
DIRECTOR		
ADMIN	J	11 Apr

DSGS

21 Apr

RETURNED FROM ACTION

RETURNED FROM ACTION

100-31159

IN 4/18

OUT 4/21

HQ FORSCOM FORM 1048-E, 1 MAR 94

Encl 4 - FORSCOM Memo, 25 A

P.02

15 March 2000

MEMORANDUM FOR Commander, U.S. Army Forces Command, Fort McPherson,  
Georgia 30330

SUBJECT: C17 Phase II Testing Program Follow-up

1. Reference. Memorandum, Commander, XVIII Airborne Corps, SUBJECT: Additional Testing of C17 Landings on Semi-Prepared Runways (SPR), 30 August 1999.
2. As a result of changes in the design specifications recommended by the C17 SPO, the cost to upgrade the four Phase II SPRs (one each at Fort Campbell, Fort Bliss, Fort Drum, and Camp Mackall) has increased from \$3.5M to \$5.78M.
3. Following the General Officer Airborne IPR on 2 March 2000, the Joint C17 SPR Working Group met on 3 March 2000, to confirm the design specifications for the Phase II SPRs. The original cost estimates were based on each SPR having a Maximum on Ground (MOG) capacity of one aircraft, and a runway length that would support dry landings (4600') and limited wet testing. The Working Group decided that, in order to support the Strategic Brigade Airdrop (SBA) training requirements in all weather conditions, these SPRs need to have a MOG of at least two, and have runways as long as the geometry at each site will support (up to 7000' where feasible). These design specification changes have resulted in the additional construction cost.
4. The resulting SPRs will provide facilities that will serve two purposes. First, they will allow us to collect data on the support and maintenance requirements for the C17 on a wide range of soil types under all weather conditions. Phase II testing will expand the tested soil types from 6.9% to 65% of the world's soil types. Second, they will provide sites that can be used to train the SBA and Interim Brigade strategic movement missions. Both of these purposes justify the additional fund requirements.
5. The Working Group also determined that the Air Force portion of the Phase II test program will increase from its originally estimated \$3.5M to an estimated \$8.5M to support the all weather test requirements. This money will fund data collection and test costs, as well as additional research into stabilization techniques for use on SPRs.



AFZA-EN

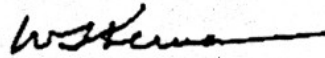
SUBJECT: C17 Phase II Testing Program Follow-up

6. I request your support in obtaining the \$5.78M (\$1M in FY00 and \$2.5M in FY01 and \$2.28M in FY02 funds) required to construct the Phase II SPRs from the Department of the Army. If approved, construction by Army engineer units could begin as early as FY00 and end NLT FY03.

7. Point of contact is LTC James Price, Corps Engineer Section, DSN 236-5717, commercial 910-396-5717, e-mail priceja@bragg.army.mil.

Encl

SPR Design Spec memo, 3 MAR 00



WILLIAM F. KERNAN  
Lieutenant General, USA  
Commanding

CF (w/Encl):

DA, Vice Chief of Staff

DA, DCSOPS

FORSCOM, DCSOPS

TRADOC, DCSOPS

C17 SPO



DEPARTMENT OF THE ARMY  
HEADQUARTERS, XVIII AIRBORNE CORPS AND FORT BRAGG  
FORT BRAGG, NORTH CAROLINA 28307-5000

REPLY TO  
ATTENTION OF:

AFZA-EN (95)

30 AUG 1999

MEMORANDUM FOR Commander, U.S. Army Forces Command, Fort McPherson, GA  
30330

SUBJECT: Additional Testing of C-17 Landings on Semi-Prepared Runways (SPRs)

1. Request your support in attaining \$1 million in FY 00 funds to be used to upgrade Rhine-Luzon LZ as part of Phase II testing of C-17 landings on Semi-Prepared Runways (SPRs).
2. The C-17's ability to land on SPRs is critical to XVIII Airborne Corps' mission of providing a rapid response to contingencies anywhere in the world. Phase I testing resulted in a release for the C-17 to land on SPRs under very specific operating conditions. Phase II testing is meant to evaluate the C-17's landing performance and airfield construction requirements on a large portion of the world's soil and moisture conditions not covered in Phase I testing.
3. Recommend the following prioritized listing of Phase II testing sites: Rhine-Luzon at Camp Mackall (vic Fort Bragg, NC); Golden Eagle at Fort Campbell, KY; Belvedere at Fort Drum, NY; and Wilde-Benton at Fort Bliss, TX. These sites were selected by the C-17 SPO (after consulting with FORSCOM) and the C-17 working group, and provide the broadest possible range of soil and moisture conditions. Furthermore, XVIII Airborne Corps has engineers at the first three sites that could conduct most of the construction.
4. The requested \$1 million is for the Army construction of the Rhine Luzon ALZ to support Phase II testing. The total Phase II testing cost will be at least \$7 million to be shared equally by the Departments of the Army and Air Force. Phase II testing will incorporate the use of new soil stabilization technology or techniques.
5. There are two related items that I would like to address:
  - a. A Joint Rapid Airfield Construction (JRAC) technology demonstration is one of the initiatives proposed for the September 2000 Joint Contingency Force Advanced Warfighting Experiment (JCF-AWE). Combining this JRAC experiment (which will be funded separately) with the Phase II test/construction program will allow us to support two programs simultaneously.


AFZA-EN

SUBJECT: Additional Testing of C-17 Landings on Semi-Prepared Runways (SPRs)

b. Department of the Army's C-17 SPR requirement should drive the test conditions for Phase II testing. We need DA to state its requirement for C-17 SPR landing capability, and include this requirement in the Joint Warfighting Capability Assessment (JWCA) process.

6. In summary, I request your support of funds for Phase II testing commencing with \$1M for Rhine-Luzon in FY00 with an additional \$2.5M for improvements to the other three sites in FY01. I also request your assistance in developing a DA C-17 SPR requirement.

7. Point of contact is CPT James A. De Lapp, Corps Engineer Section Operations, DSN 236-5717, commercial 910-396-5717, e-mail delappja@bragg.army.mil.

  
WILLIAM F. KERNAN  
Lieutenant General, USA  
Commanding

7 Encls

1. ASC Memo, 24 Nov 97
2. C-17 Memo, 3 Mar 99
3. C-17 Trip Report, 24 Mar 99
4. XVIII Abn Corps Requirements, 26 Feb 99
5. Army After Next Memo, Apr 99
6. 20th Engr Bde C17 SPR Brief
7. Corps of Engineers JRAC Brief

CF (w/o encls):

Cdr, Engineer School  
Cdr, Infantry School  
Cdr, Armor School  
Cdr, USASOC  
Cdr, AFCEA (w/encls)  
Cdr, AMC

Chief of Engineers

DA DCSOPS  
DA DCSLOG  
DCG TRADOC

ROUTINE

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\* UNCLASSIFIED \*  
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021 0712

RTAUZYUW RUEADWD5003 0210712-UUUU--RUEASRB.

ZNR UUUUU

R 201800Z JAN 99

FM HQDA WASHINGTON DC//DAMO-ZA//

TO RUEASRB/CDRFORSCOM FT MCPHERSON GA//AFCG//

RUEAIA/CDRTRADOC FT MONROE VA//ATCG//

INFO RHCUMAC/HQ AMC TACC CMD CTR SCOTT AFB IL//CC//

RUERHNA/CDRXVIIIABNCORPS FT BRAGG NC//AFZA-GT-OC//

RUERHNA/CDR82DABNDIV FT BRAGG NC//AFVC-CG//

BT

UNCLAS

PERSONAL FOR GEN SCHWARTZ, CDR, FORSCOM; GEN ABRAMS, CDR, TRADOC.

INFO: GEN ROBERTSON, CC, AMC USAF; LTG KERNAN, CC XVIII ABN CORPS;

MG MCNEILL, CDR, 82D ABN DIV. FROM: LTG BURNETTE, DCSOPS.

SUBJECT: STRATEGIC BRIGADE AIRDROP (SBA)

REF/A/MSG/CSAF WASHINGTON DC//CC//262247Z JAN 98//

AMPN/REF A (SUBJ: 1997 WARFIGHTER TALKS). TASKS TRADOC AND FORSCOM TO EXAMINE COMPRESSING SBA FORMATIONS, AND TASKS TRADOC TO DETERMINE REQUIREMENTS FOR SBA AUSTERE FIELD OPERATIONS.

REF/B/MSG/CDRXVIIIABNCORPS FT BRAGG NC//AFZA-GT-OC//231500Z OCT 98// AMPN/REF B (SUBJ: STRATEGIC BRIGADE AIRDROP (SBA)). RECOMMENDS DESIGNATION OF XVIII ABN CORPS AS EXECUTIVE AGENT FOR SBA ISSUES.

PAGE 02 RUEADWD5003 UNCLAS

1. CONCUR WITH RECOMMENDATION (REF B). FORSCOM IS NOW DESIGNATED AS OFFICE OF PRIMARY RESPONSIBILITY (OPR) FOR SBA ISSUES, WITH XVIII ABN CORPS AS EXECUTIVE AGENT.

2. TRADOC RETAINS SUPPORTING ROLE FOR ALL ACTIONS. TRADOC RETAINS COMBAT DEVELOPMENT ACTIONS FOR USL AND DUAL ROLE AIRDROP ISSUES.

3. THE FOLLOWING ISSUES ARE COVERED BY THIS MESSAGE:

A. SBA REQUIREMENT FOR SMALL, AUSTERE AIRFIELD OPERATIONS (SAAF).

B. SBA PASS TIME REDUCTION.

C. UNIVERSAL STATIC LINE (USL).

D. C-17 DUAL ROLE AIR DROP.

E. OTHER ASSOCIATED SBA ISSUES.

4. VERY RESPECTFULLY.

BT

#5003

25 Jan 99  
DCSOPS  
Pls explain FORSCOM  
SBA responsibilities in  
what we do  
next long  
range plan  
OK, what's &  
next?

(Row) Dual Row Air Drop System (DRADS)

NNNN

ROUTINE

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\* UNCLASSIFIED \*  
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\* UNCLASSIFIED \*  
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30648

Encl 7 - DA Message on SBA, 20

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